

Energy Supply Office of Environment, Safety and Health

Overview

Appropriation Summary by Program

(dollars in thousands)

| | FY 2004 Comparable Appropriation | FY 2005 Original Appropriation | FY 2005 Adjustments | FY 2005 Comparable Appropriation | FY 2006 Request |
|---|--|--------------------------------------|------------------------|--|---------------------|
| Energy Supply | | | | | |
| Environment, Safety & Health | | | | | |
| (non-defense) | 6,867 | 8,000 | -64 ^a | 7,936 | 9,100 |
| Program Direction..... | 15,697 | 20,000 | -158 ^a | 19,842 | 20,900 |
| Subtotal, Energy Supply..... | 22,564 | 28,000 | -222 | 27,778 | 30,000 |
| Use of Prior Year Balances..... | 0 | -285 | 0 | -285 | 0 |
| Total, Energy Supply..... | 22,564 | 27,715 | -222 | 27,493 | 30,000 |
| Other Defense Activities | | | | | |
| Environment, Safety & Health | | | | | |
| (defense) | 120,213 | 109,105 | -753 ^a | 108,352 | 56,483 ^b |
| Program Direction..... | 22,953 | 20,414 | -163 ^a | 20,251 | 20,546 |
| Subtotal, Other Defense Activities..... | 143,166 | 129,519 | -916 | 128,603 | 77,029 |
| Use of Prior Year Balances..... | -500 | -15,000 | 0 | -15,000 | 0 |
| Total, Other Defense Activities..... | 142,666 | 114,519 | -916 | 113,603 | 77,029 |
| Total, Energy Supply and Other Defense Activities..... | 165,230 | 142,234 | -1,138 | 141,096 | 107,029 |

^a Reflects distribution of 0.80% rescission required by the FY 2005 Consolidated Appropriations Act.

^b The Employee Compensation Program will be funded in FY 2006 using prior-year carryover.

Preface

The Office of Environment, Safety and Health (EH) is committed to ensuring that the safety and health of the DOE workforce and members of the public, and the protection of the environment are integrated into all Departmental activities.

Within the Energy Supply appropriation, the Office of Environment, Safety and Health has two programs: Policy, Standards and Guidance, and DOE-wide Environment, Safety and Health Programs (two subprograms) and Program Direction (three subprograms).

This overview will describe Strategic Context, Mission, Benefits and Significant Program Shifts. These items together put this appropriation in perspective.

Strategic Context

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals. As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include:

- Environment – Ensure the protection of the environmental resources affected by DOE activities.
- Safety – Operate to industry standards where they are relevant and available and provide regulations for those operations that are unique to DOE; perform at a level equal to or better than private industry.
- Health – Improve DOE health protection programs through medical surveillance to identify potential health issues, health studies to understand cause, and policies and programs to protect the safety and health of workers at DOE facilities and the communities that surround them.
- Corporate Performance Assessment -- These programs are necessary DOE-wide environment, safety, and health functions. Specifically these programs are the accreditation program for worker radiation protection monitoring, DOE's Voluntary Protection Program, and the collection and maintenance of DOE and contractor personnel radiation exposure records, as required by law. Provide the necessary policy, guidance, and corporate direction.
- Nuclear/Occupational Safety and Health Enforcement – Carry out the statutory mandate of the Atomic Energy Act to enforce compliance with nuclear safety regulations as well as new occupational safety and health regulations.

Mission

The mission of EH is to provide the corporate leadership, performance goals, assistance, policies, programs and feedback to enable the Department of Energy to excel in mission performance while achieving excellence in safety and environmental stewardship.

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include providing technical support and assistance; assessing performance; ensuring quality assurance is properly applied; developing corporate policy, guidance, rules, orders and standards; and supporting an effective collaborative radiological and non radiological health studies program.

Benefits

DOE environment, safety and health performance expectations are communicated in Policies, Standards and Guidance, and DOE-wide ES&H Programs are developed to achieve the expected level of performance. A consistent and stable safety infrastructure is provided that leads to credible, reliable and defensible operations and programs.

EH leverages its resources and personnel to provide DOE's line management programs with essential environment, safety and health performance expectations: environment, safety and health performance measures and analysis; management tools to promote the safe conduct of work; and guidance for pollution prevention and the protection of the environment in and around DOE sites. Integral to the Department's success is EH's skill in fostering increased awareness and providing support to line management throughout the Department, using open communications, coordinating with other industry and governmental organizations, and performance feedback on environmental, safety, and health activities, to provide the safety infrastructure that allows for and promotes the safe and environmentally responsible conduct of work.

Energy Supply
Office of Environment, Safety & Health
Funding by Site by Program

| | (dollars in thousands) | | | | |
|--|------------------------|---------|---------|-----------|----------|
| | FY 2004 | FY 2005 | FY 2006 | \$ Change | % Change |
| Chicago Operations Office | | | | | |
| Argonne National Lab..... | 290 | 340 | 379 | 39 | 11.5% |
| Brookhaven Nat'l Laboratory..... | 70 | 70 | 70 | 0 | 0.0% |
| Total, Chicago Operations Office..... | 360 | 410 | 449 | 39 | 9.5% |
| Idaho Operations Office..... | 250 | 180 | 250 | 70 | 38.9% |
| Livermore Site Office | | | | | |
| Lawrence Livermore Nat'l Laboratory..... | 70 | 70 | 70 | 0 | 0.0% |
| Oak Ridge Operations Office | | | | | |
| Oak Ridge Associated Universities..... | 20 | 155 | 195 | +40 | +25.8% |
| Oak Ridge Nat'l Laboratory..... | 1,290 | 983 | 1,264 | 281 | 28.6% |
| Pacific Northwest Nat'l Laboratory..... | 460 | 125 | 139 | 14 | 11.2% |
| Total, Oak Ridge Operations Office..... | 1,770 | 1,263 | 1,598 | +335 | +26.5% |
| Washington Headquarters | | | | | |
| Program Direction..... | 15,697 | 19,842 | 20,900 | +1,058 | +5.3% |
| Other Washington Headquarters..... | 4,417 | 6,013 | 6,733 | +720 | 12.0% |
| Total, Washington Headquarters..... | 20,114 | 25,855 | 27,633 | +1,778 | +6.9% |
| Total, Energy Supply | 22,564 | 27,778 | 30,000 | 2,222 | +8.0% |

Site Description

Chicago Operations Office

Chicago Operations Office, Chicago, Illinois, is responsible for overseeing the operation of contractor-operated, multi-program laboratories such as Argonne National Laboratory and Brookhaven National Laboratory.

Argonne National Laboratory

Argonne National Laboratory (ANL) is 25 miles southwest of Chicago's Loop. Argonne provides support in resolving the Nation's environmental, safety, and health problems and promotes environmental, safety and health stewardship. Argonne provides specialized technical expertise on environmental and public protection issues, including analysis of emerging environmental rulemakings; develops input for inclusion in environmental guidance materials and implementation tools; and provides specialized technical expertise for the development of DOE performance summaries on air resource protection and environmental releases. Argonne also provides technical expertise for water resource analyses, human and ecological risk assessments, and modeling capabilities for the analysis of radiological releases to the environment related to DOE operations. In addition, ANL provides technical support in the review of environmental impact statements (EIS) and other National Environmental Policy Act (NEPA)-related documents. It also provides technical expertise for pollution prevention opportunity assessments.

Brookhaven National Laboratory

Brookhaven National Laboratory (BNL) is located in Upton, New York, on Long Island. As a non-defense research institution, BNL is dedicated to basic and applied investigation in a multitude of scientific disciplines. BNL also provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents such as Safety Analysis Reports (SARs), and Basis for Interim Operations (BIO). BNL provides specialized technical expertise input to be used by the Federal staff to develop rules, orders, safety guides, and standards. These documents may include SARs, technical safety requirements, waste disposal standards, fire protection standards, lightning and wind protection standards, and facility operation.

Idaho Operations Office

Idaho Operations Office, Idaho Falls, Idaho, executes a multi-program mission, and leverages the Idaho National Laboratory's expertise with emerging technology to meet the Nation's needs. The Radiological and Environmental Sciences Laboratory, which administers the DOE Worker Dosimetry Laboratory Accreditation Program, administratively reports to the Idaho Operations Office.

Livermore Site Office

The Livermore Site Office provides liaison between the National Nuclear Security Administration services center and the site contractor.

Energy Supply/
Environment, Safety and Health (non-defense)/
Funding by Site

FY 2006 Congressional Budget

Lawrence Livermore National Laboratory

Lawrence Livermore National Laboratory (LLNL), located in California's Tri-Valley region east of San Francisco provides software quality assurance expertise support to maintain the code registry that is important for nuclear safety analysis throughout the complex. LLNL provides specialized expertise in seismic analysis, structural response, natural phenomena hazards standards and energy security safety analysis.

Oak Ridge Operations Office

Oak Ridge Operations Office, Oak Ridge, Tennessee, is responsible for research and development, defense programs, environmental management, and environment, safety, and health activities. There are three major plant complexes on the Oak Ridge Reservation: Oak Ridge National Laboratory; Y-12 Plant; and the East Tennessee Technology Park, as well as the Oak Ridge Institute for Science and Education and the American Museum of Science and Energy. Together, these facilities represent a technological and educational resource and a major component of the East Tennessee Technology Corridor.

Oak Ridge National Laboratory

Oak Ridge National Laboratory (ORNL) is a multi-program science and technology laboratory. Scientists and engineers at the laboratory provide specialized technical expertise in environment, safety, and health activities; criticality codes and standards; and restoration and protection of the environment. ORNL provides specialized technical expertise in the operational reviews of the DOE Technical Standards Program and development of web-based platforms for environmental guidance materials and compliance tools. The laboratory provides specialized technical expertise in the development of risk-based, integrated worker safety programs through the development of input and resource information for various technical standards and guides. ORNL also supports technical reviews of the potential impacts of proposed environmental regulations on DOE operations and EH efforts to promote cultural resource protection. ORNL is also involved in project development, protocol development, and input to developmental needs to revise or update worker protection requirements. On behalf of the Office of Environment, ORNL also supports technical reviews of EISs and other NEPA-related documents.

Oak Ridge Associated Universities/Oak Ridge Institute for Science and Education (ORISE)

The Oak Ridge Institute for Science and Education (ORISE), operated by Oak Ridge Associated Universities (ORAU), is located on a 150-acre site in Oak Ridge, Tennessee. On behalf of the Department, the Radiological Exposure Monitoring System (REMS) collects and maintains radiation exposure records for DOE and contractor personnel, as required by law.

Pacific Northwest National Laboratory

Pacific Northwest National Laboratory (PNNL), Richland, Washington, develops and delivers new and effective environment, safety, and health technologies. PNNL provides specialized technical expertise on environmental and public protection issues, including analysis of emerging rulemakings and input for the development of environmental guidance materials and implementation tools. This specialized support includes input for the development of DOE performance summaries on air resource protection and implementation of Clean Air Act requirements, water resources, and human and ecological risk assessments related to DOE releases. PNNL provides specialized technical expertise in all aspects of radiological operations at DOE sites with Radiological Control Programs. This expertise involves knowledge of radiological operations, radiological practices, processes, and systems across the DOE complex. Specialized technical expertise provides input for health physics, development of implementation guides, technical standards and technical solutions for specific radiological control problems. PNNL's specialized technical expertise supports the development and implementation of the DOE Laboratory Accreditation Program, and other DOE corporate safety programs. PNNL provides technical support in the review of EISs and other National Environmental Policy Act (NEPA) and related documents. It also provides specialized support for the affirmative procurement of environmentally preferable products.

Washington Headquarters

The Office of Environment, Safety and Health (EH) Headquarters, located in the Washington, D.C. area, supports the EH mission by funding Federal staff responsible for directing, administering, and supporting the EH program in the areas of facility safety, corporate performance assessment, environment, health, and enforcement. In addition, Federal staff is responsible for management, policy, personnel, technical/administrative support activities, budget, finance, and contracts. Also, the Office of Environment requires contractor support in reviewing cost and technical issues relating to implementing the requirements of proposed and new environmental legislation and regulations at DOE operations; in the development of models and other tools to perform quantitative and trending analysis of DOE's environmental performance; and in updating standards for radiation protection and waste management. The Office of Health requires contractor support for the development of worker-based safety programs, collection of lessons learned and best practices, review of the literature and knowledge of standards setting bodies to assure a sound scientific basis for worker protection policies and programs, and program development strategies for each of the organizational elements in the Office of Health. The Office of Information Management requires contractor support to ensure that information technology is acquired and information resources are managed in a manner that implements the policies and procedures of legislation, the President's Management Agenda, the Paperwork Reduction Act and the Clinger-Cohen Act. This Office establishes, implements, and maintains a comprehensive and effective cyber/computer security, capital planning and investment control, and Federal Enterprise Architecture programs in support of the President's Management Agenda initiative to Expand Electronic Government. The Office of Environment requires contractor support in reviewing Environmental Impact Statements and other NEPA-related documents and in developing pollution prevention strategies for the reduction of waste generation and environmental releases during DOE operations.

Environment, Safety and Health (non-defense)

Funding Profile by Subprogram

(dollars in thousands)

| | FY 2004 Comparable Appropriation | FY 2005 Original Appropriation | FY 2005 Adjustments | FY 2005 Comparable Appropriation | FY 2006 Request |
|--|--|--------------------------------------|------------------------|--|--------------------|
| Environment, Safety and Health (non-defense) | | | | | |
| Policy, Standards & Guidance..... | 1,799 | 3,265 | -26 | 3,239 | 3,827 |
| DOE-Wide ES&H Programs..... | 5,068 | 4,735 | -38 | 4,697 | 5,273 |
| Total, Environment Safety and Health (non-defense)..... | 6,867 | 8,000 | -64 | 7,936 | 9,100 |

Public Law Authorizations:

Public Law 95-91, "Department of Energy Organization Act"

Public Law 91-190, "The National Environmental Policy Act of 1969"

Public Law 103-62, "Government Performance and Results Act of 1993"

Public Law 83-703, "Atomic Energy Act of 1954"

Mission

The mission of the Office of Environment, Safety and Health (EH) is to provide the corporate infrastructure and technical resources that enable work to be performed in a safe and environmentally sound manner. EH provides corporate environment, safety and health performance expectations in the form of policy and standards, technical expertise to support line management's implementation of those expectations, and corporate programs that contribute directly to advancing work activities in support of the Department's mission.

Benefits

Within the Energy Supply appropriation, EH plays a key role in achieving the Department's mission. EH develops and maintains a stable and predictable safety infrastructure by establishing Departmental policy and expectations that help ensure safe and secure workplaces across the complex. EH identifies and addresses emerging safety vulnerabilities and partners with line management to resolve nuclear, radioactive, chemical, and industrial hazards. Many of the activities involve performing crosscutting DOE-wide environment, safety, and health functions similar to those performed by any corporate safety office. These programs are necessary DOE-wide environment, safety, and health functions. Specifically these programs are the accreditation program for worker radiation protection monitoring, DOE's Voluntary Protection Program, and the collection and maintenance of DOE and contractor personnel radiation exposure records, as required by law. Necessary policy, guidance, and corporate direction are provided.

EH also ensures compliance with the National Environmental Policy Act of 1969, which is a prerequisite to program mission implementation. EH maintains close contacts with private industry, regulatory agencies, independent standard-setting groups, and national and international environment, safety and

health organizations, and facilitates information exchanges between DOE line management and their counterparts in the private sector. EH staff also provides corporate advice and consultation to DOE managers in developing improved strategies for including environment, safety and health in planning and conducting work; on implementing external regulations affecting DOE operations (e.g., providing implementation guidance on Environmental Protection Agency (EPA) regulations); and promulgating DOE policy, requirements, and implementation guidance. EH actions encourage line program efforts to prevent injuries and illnesses; establish environment, safety, and health budget priorities; participate in advocating cost-effective regulation from external sources; establish protective, cost-effective internal environment, safety, and health policies and guidance; and avoid risks attendant to the unprecedented hazards that must be managed effectively across DOE.

EH activities funded within the Energy Supply appropriation are concentrated into two programmatic areas: Policy, Standards and Guidance and DOE-Wide ES&H Programs. This alignment serves to characterize EH as a corporate resource to advance the DOE mission while promoting the establishment of effective and efficient environment, safety, and health programs. In addition, a program direction decision unit includes funding for a portion of EH Federal staff and the EH Working Capital Fund.

Policy, Standards and Guidance

Funding Schedule by Activity

(dollars in thousands)

| | FY 2004 Comparable Appropriation | FY 2005 Comparable Appropriation | FY 2006 Request | \$ Change | % Change |
|--|--|--|--------------------|-----------|----------|
| Policy, Standards and Guidance..... | 1,799 | 3,239 | 3,827 | +588 | +18.2% |
| Total, Policy, Standards and Guidance. | 1,799 | 3,239 | 3,827 | +588 | +18.2% |

Description

Policy, standards and guidance are issued to assure that workers and the public, property and the environment are adequately protected from the hazards of DOE activities.

Benefits

The policies and standards being applied at DOE facilities reasonably assure that personnel and property are afforded at least the same level of protection as that in the private sector. For most DOE facilities, DOE assumes direct regulatory/enforcement authority for safety and health as provided by the Atomic Energy Act of 1954, as amended. Safety policy, standards and guidance must therefore take into account the unique nuclear, chemical and industrial hazards posed by DOE operations and must be current with worldwide technologies, knowledge and experience.

Detailed Justification

(dollars in thousands)

| FY 2004 | FY 2005 | FY 2006 |
|---------|---------|---------|
|---------|---------|---------|

| | | | |
|--|--------------|--------------|--------------|
| Policy, Standards and Guidance..... | 1,799 | 3,239 | 3,827 |
|--|--------------|--------------|--------------|

EH's Nuclear and Facility Safety Policy programs establish the nuclear and facility safety requirements and expectations when working with workplace hazards and safety issues such as nuclear materials, criticality, fire, seismic, tornados, flooding, electrical, explosives, construction, maintenance, nuclear training, and conduct of operations. In FY 2006, DOE nuclear and facility safety policies and standards will be enhanced to reflect updated commercial codes and standards, changing DOE missions and work environments, and emerging safety issues that are encountered continuously when working with hazardous materials or in aging facilities.

Included in the Nuclear and Facility Safety Policy Programs are the DOE Technical Standards Program (TSP) and DOE's annual fee to the Institute of Nuclear Power Operations (INPO). INPO is a non-profit organization established by the commercial nuclear power industry to promote the highest levels of safety and reliability in the operation of nuclear power plants. For an annual membership fee, the Department maintains access to INPO methodologies, standards and information databases.

Additionally, INPO provides direct technical assistance to DOE and its operating contractors. INPO's annual fee increased by \$100,000 in FY 2004, with a 4% annual escalation in FY 2005 and FY 2006.

EH's Worker Safety and Health Policies promote the conduct of mission essential work in a safe manner while maintaining safety performance well above the national average. In FY 2006 greater focus will be provided in the review and approval of contractor requests for exemptions and the efficient and cost effective implementation of orders by the contractors across the DOE. DOE Order 440.1 "Worker Protection Management for DOE Federal and Contractor Employees" and its associated guides will require revision and updating to reflect emerging issues such as biosafety and nanotechnology. These funds will also be used for the conduct of activities to enhance chemical management across the DOE and hazard specific activities of particular interest to DOE, such as beryllium, hazards at the Gaseous Diffusion Plants, hazards faced by cleanup workers as well as hazards posed by new technologies (e.g., nanotechnology).

Also, 29 CFR 1960 requires a documented Federal Employee Occupational Safety and Health (FEOSH) program for Federal employees. In FY 2005, the FEOSH program focused on the conduct of facility and worker walkthroughs and inspections to identify opportunities to assure a safe work environment for Federal employees. In FY 2006 the program will focus on the correction of identified issues, further enhancements to worker and manager FEOSH training, and further refinements to the DOE Headquarters emergency preparedness and Continuity of Operations activities to assure the safety of the Federal workforce and the ability of DOE to function in the case of emergency.

| (dollars in thousands) | | |
|------------------------|---------|---------|
| FY 2004 | FY 2005 | FY 2006 |

EH's Regulatory Liaison Program ensures that Department of Energy policies and standards relating to facility safety are consistent with other Federal and industry regulations. This liaison also ensures that DOE environment, safety, health, emergency management and safety management policies and standards are based on best available information. Regulatory Liaison interacts with the Occupational Safety and Health Administration (OSHA), the U.S. Nuclear Regulatory Commission (NRC), the National Aeronautics and Space Administration (NASA), and Federal Departments of Transportation, Health and Human Services, Homeland Security, the Defense Nuclear Facilities Safety Board, national and international standards and regulatory bodies, various industry groups, such as the Institute of Nuclear Power Operations and the Energy Facilities Contractors Group and other DOE offices on topics such as safety and health standards, statutes, regulatory reform, external regulation, emergency management, and privatized facilities.

EH's Environmental Protection Policy and Compliance Support programs ensure that the Department performs work in an environmentally sound and compliant manner and that the Department's policies, orders, and guides promote practices that are protective of natural and cultural resources. Through these programs, EH assists DOE elements in complying with external environmental protection requirements in a cost-effective manner. EH will continue to develop timely guidance to assure DOE-wide understanding of newly promulgated environmental requirements, and to respond to requests from DOE line management to assist in the development of cost-effective strategies for compliance with new environmental regulations. EH will continue to ensure that the unique circumstances posed by DOE operations and cleanups are accounted for in the regulatory development process of other agencies. EH will also continue to provide DOE's line managers and the public with information on the Department's compliance with environmental standards and progress towards meeting performance goals for radiation protection and pollution prevention. In FY 2005, EH completed guidance material and tools to assist sites in developing Environmental Management Systems throughout DOE, prepared a DOE-wide implementation plan pursuant to the President's Management Council's Environmental Compliance Management Improvement initiative, reviewed several DOE low-level waste disposal site performance assessments, improved property management and contamination control practices, supported development of international waste management and radiation protection guidelines for environmental protection, and completed guidelines to support response and recovery actions following a radiological or nuclear incident. In FY 2006, activities will include support to line management in completing implementation of Environmental Management Systems at DOE sites, updating of DOE public and environmental radiation protection requirements, continued support for the development of national and international consensus standards for radiation protection and waste management, assistance to line management in the effective implementation of authorized limits for control of property, and authorization reviews for waste disposal.

| | | | |
|---|--------------|--------------|--------------|
| Total, Policy, Standards and Guidance..... | 1,799 | 3,239 | 3,827 |
|---|--------------|--------------|--------------|

Energy Supply/
Environment, Safety and Health (non-defense)/
Policy, Standards and Guidance

FY 2006 Congressional Budget

Explanation of Funding Changes

| |
|-----------------------------------|
| FY 2006 vs. FY 2005 (\$000) |
|-----------------------------------|

Policy, Standards and Guidance

| | |
|--|-------------|
| ■ For Facility Safety activities, increase in annual fee for the Institute for Nuclear Power Operations. Also, DOE nuclear and facility safety policies and standards will be enhanced to reflect updated commercial codes and standards..... | +218 |
| ■ For Health related activities, funding for projects in FY 2005 included the use of \$200,000 carryover from FY 2004. These funds will be expended in FY 2005 and therefore the increase is needed to fully fund these projects in FY 2006..... | +216 |
| ■ For Environment related activities, additional resources are required to enable EH to provide guidance and assistance to DOE programs and sites as they begin to shift from the development and documentation phase to the implementation phase of their Environmental Management Systems. Additional resources are needed for EH to provide assistance to DOE sites in implementing the Department's Environmental Compliance Management Improvement Plan. In addition, EH expects that additional modification of DOE's property release and control requirements will be needed in FY 2006 to ensure reasonable consistency to International recommendations and anticipated Nuclear Regulatory Commission Standards..... | +154 |
| Total Funding Change, Policy, Standards and Guidance..... | +588 |

DOE-Wide Environment, Safety and Health Programs

Funding Schedule by Activity

(dollars in thousands)

| | FY 2004 Comparable Appropriation | FY 2005 Comparable Appropriation | FY 2006 Request | \$ Change | % Change |
|--|--|--|--------------------|-----------|----------|
| DOE-Wide Environment, Safety and Health Programs..... | 5,068 | 4,697 | 5,273 | +576 | +12.3% |
| Total, DOE-Wide ES&H Programs | 5,068 | 4,697 | 5,273 | +576 | +12.3% |

Description

Environment, Safety and Health Programs improve worker and nuclear facility safety, and protect the public and the environment. EH's activities under these programs often require the development of state-of-the-art analysis tools and approaches, because the nature and mix of radioactive, hazardous, and toxic materials at DOE facilities are unique. EH's efforts span the design, construction, operation, maintenance, decontamination and decommissioning, and cleanup of nuclear weapons productions and research-related facilities. Efforts also include construction safety; work planning activities, including techniques to identify, evaluate and eliminate hazards; methods for reducing or eliminating release of pollutants; and the identification of technologies and innovative adaptations of existing practices.

Benefits

EH's DOE-Wide Environment, Safety and Health (ES&H) Programs improve worker and nuclear facilities safety and protect the public and the environment through the efficient management of several DOE-wide programs.

Detailed Justification

(dollars in thousands)

| FY 2004 | FY 2005 | FY 2006 |
|---------|---------|---------|
|---------|---------|---------|

DOE-Wide Environment, Safety and Health

| | | | |
|----------------------|--------------|--------------|--------------|
| Programs..... | 5,068 | 4,697 | 5,273 |
|----------------------|--------------|--------------|--------------|

DOE-Wide Environment, Safety and Health Programs have two fundamental goals: improving worker and nuclear facility safety, and protecting the public and the environment.

EH has responsibility for the Department of Energy Laboratory Accreditation Program (DOELAP). DOELAP is an accreditation (certification) program that provides assurance that worker radiation exposures are being accurately measured.

EH's Radiation Exposure Monitoring System (REMS) project is the collection, maintenance, and annual reporting of all DOE worker radiation exposures as required by Rule 10 CFR 835, "Occupational Radiation Protection."

EH's nationally recognized DOE Voluntary Protection Program (DOE-VPP) results in enhanced worker safety protection and cost savings. In FY 2006, DOE will continue to re-certify DOE contractor VPP status and evaluate new applications for VPP status.

Also in FY 2006, EH will develop and implement an enforcement policy to ensure compliance with the Congressionally mandated Occupational Safety and Health Rule (10 CFR 851).

EH will continue its programs related to environmental compliance. In FY 2006, EH will begin implementation of new strategic pollution prevention goals for waste minimization, recycling and toxic chemical use and release reductions established the previous fiscal year. EH will continue to provide guidance on a variety of issues related to Departmental responsibilities under Executive Orders related to pollution prevention, environmentally preferable purchasing, and environmental management systems.

In FY 2006, EH will enable the timely implementation of priority program missions by providing independent technical and policy reviews to ensure that the Department's proposed actions comply with the National Environmental Policy Act (NEPA), which is prerequisite to program and project implementation. As the Department's focal point of NEPA expertise, EH will guide programs in developing timely and compliant NEPA strategies for proposed projects, and will conduct compliance assurance reviews for more than 15 major Environmental Impact Statements and related documents. EH will also develop policy and guidance to streamline the environmental review process and help programs complete legally sufficient Environmental Impact Statements in time to meet mission needs.

In FY 2006, EH will also develop DOE-wide goals that promote pollution prevention as part of the planning and implementation of all DOE activities and provide assistance to line management in developing pollution prevention strategies for the reduction of waste generation and environmental releases at DOE sites.

**Energy Supply/
Environment, Safety and Health (non-defense)/
DOE-Wide ES&H Programs**

FY 2006 Congressional Budget

| (dollars in thousands) | | |
|------------------------|---------|---------|
| FY 2004 | FY 2005 | FY 2006 |

The EH Information Management Services Program provides cost-effective management of centralized environmental, safety, and health information. The program also conducts activities to support the President's Management Agenda to expand electronic government. Information services provided include on-line access to environment, safety and health related industry standards, programs, policies and activities; access to a commercial standards subscription service; and access to historical ES&H information for all DOE operations and sites.

| | | | |
|---|--------------|--------------|--------------|
| Total, DOE-Wide Environment, Safety and Health Programs..... | 5,068 | 4,697 | 5,273 |
|---|--------------|--------------|--------------|

Explanation of Funding Changes

| |
|-----------------------------------|
| FY 2006 vs. FY 2005 (\$000) |
|-----------------------------------|

DOE-Wide Environment, Safety and Health Programs

| | |
|--|-------------|
| ■ Increase for DOELAP will effectively perform DOE laboratory accreditation program. EH must ensure sites are compliant with 10 CFR 835. Slight increase for Radiation Exposure Monitoring System (REMS) is to support and maintain annual occupational radiation exposure reporting information and publish an Annual Report, as required by 10 CFR 835..... | +110 |
| ■ Increase to support EH's information management investment to develop, operate and maintain the suite of databases and tracking systems known as the ES&H Reporting Systems, such as: Occurrence Reporting and Processing System, Computerized Accident/Incident Reporting System, Noncompliance Tracking Systems, National Environmental Policy Act System, Corrective Actions Tracking Systems, and the Pollution Prevention Systems. These systems are relied heavily upon by DOE senior management for supporting decision-making and determining ES&H performance throughout the DOE complex..... | +233 |
| ■ Additional resources will be used to support EH's development of new DOE strategic pollution prevention goals. EH will assist DOE programs and sites in transitioning from complex-wide goals established for 2005, by waste type, to new performance goals to be integrated into sites' Environmental Management Systems implementation..... | +184 |
| ■ Slight increase for enforcement activities will fund development of noncompliance reporting tool..... | +49 |
| Total Funding Change, DOE-Wide Environment, Safety and Health Programs..... | +576 |

Energy Supply/
Environment, Safety and Health (non-defense)/
DOE-Wide ES&H Programs

FY 2006 Congressional Budget

Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

| | FY 2004 Comparable Appropriation | FY 2005 Comparable Appropriation | FY 2006 Request | \$ Change | % Change |
|-------------------------------|--|--|--------------------|-----------|----------|
| Headquarters | | | | | |
| Salaries and Benefits..... | 11,604 | 15,704 | 16,426 | +722 | +4.6% |
| Travel..... | 13 | 20 | 20 | 0 | 0.0% |
| Other Related Expenses..... | 4,080 | 4,118 | 4,454 | +336 | +8.2% |
| Total, Program Direction..... | 15,697 | 19,842 | 20,900 | +1,058 | +5.3% |
| Full Time Equivalents..... | 85 | 101 | 101 | 0 | 0.0% |

Mission

Program Direction in this account provides overall direction and support for Environment, Safety and Health (EH) Energy Supply programs to ensure that all operations are conducted in the most efficient and effective manner. Program Direction in this account is as follows:

All costs of transportation, subsistence, and incidental expenses for EH's Federal employees are provided for in accordance with Federal Travel Regulations. Also, provided are the EH Working Capital Fund and training for Federal staff. The Working Capital Fund provides for non-discretionary prorated costs for items such as space utilization, computer and telephone usage, mail service, and supplies. Training includes course registration fees for EH Federal employees.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. Environment, Safety and Health performs critical functions which directly support the mission of the Department. The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include funding for a Federal staff that has the technical expertise to carry out the essential EH mission. The EH mission requires experts to develop overall environment, safety, and health policy for DOE sites and facility operations; to provide a central and coordinated source of technical expertise to all of the Department elements; to provide a central clearing house for information, analysis and feedback regarding new efforts, present activities, and unforeseen occurrences taking place at the multitude of diverse facilities within the DOE complex; to provide the Department with the capability to perform activities relative to environment, safety, and health programs across the DOE complex; and oversee the Department's health studies endeavors.

Energy Supply/
Environment, Safety and Health (non-defense)/
Program Direction

FY 2006 Congressional Budget

Detailed Justification

(dollars in thousands)

| FY 2004 | FY 2005 | FY 2006 |
|---------|---------|---------|
|---------|---------|---------|

| | | | |
|-----------------------------------|---------------|---------------|---------------|
| Salaries and Benefits..... | 11,604 | 15,704 | 16,426 |
|-----------------------------------|---------------|---------------|---------------|

In the Program Direction activity, salaries and benefits are reflective of the FTE split between Energy Supply and Other Defense Activities. This category funds full-time permanent and other than full-time permanent employees' salaries, overtime pay, cash incentive awards, lump sum leave payments, Senior Executive Service, other performance awards, and payments to the workman's compensation fund.

| | | | |
|--------------------|-----------|-----------|-----------|
| Travel..... | 13 | 20 | 20 |
|--------------------|-----------|-----------|-----------|

Overall, EH travel requirements are in line with the EH Federal staff levels and currently estimated mission essential travel needs.

| | | | |
|------------------------------------|--------------|--------------|--------------|
| Other Related Expenses..... | 4,080 | 4,118 | 4,454 |
|------------------------------------|--------------|--------------|--------------|

Provides for the Working Capital Fund, which covers non-discretionary prorated costs such as space utilization, computer and telephone usage, mail service, supplies and electronic services. Funding also supports EH office expenditures for printing and reproduction, telecommunication needs, ADP maintenance and training for Federal staff, including the training course registration fees for EH Federal employees.

| | | | |
|--------------------------------------|---------------|---------------|---------------|
| Total, Program Direction..... | 15,697 | 19,842 | 20,900 |
|--------------------------------------|---------------|---------------|---------------|

Explanation of Funding Changes

 FY 2005 vs
FY 2006
(\$000)

Salaries and Benefits

- Reflects government-wide increase for pay and personnel related costs for EH full-time equivalent employees..... +722

Other Related Expenses

- Reflects projected increase in the Working Capital Fund and higher estimated requirements for training and tuition costs..... +336

Total Funding Change, Program Direction..... +1,058

Other Related Expenses by Category

| | (dollars in thousands) | | | | |
|------------------------------------|------------------------|---------|---------|-----------|----------|
| | FY 2004 | FY 2005 | FY 2006 | \$ Change | % Change |
| Other Related Expenses | | | | | |
| Training..... | 9 | 9 | 73 | +64 | 711.1% |
| Working Capital Fund..... | 4,071 | 4,059 | 4,331 | +272 | 6.7% |
| Other Services..... | 0 | 50 | 50 | 0 | 0.0% |
| Total, Other Related Expenses..... | 4,080 | 4,118 | 4,454 | +336 | 8.2% |